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Welcome to STN International! Enter x:x
LOGINID: ssspta1800exs
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TERMINAL (ENTER 1, 2, 3, OR ?):2
                     Welcome to STN International
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NEWS
                 "Ask CAS" for self-help around the clock
NEWS
NEWS 3 FEB 28
                 PATDPAFULL - New display fields provide for legal status
                 data from INPADOC
NEWS 4 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 5 MAR 02 GBFULL: New full-text patent database on STN
NEWS 6 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 22 KOREAPAT now updated monthly; patent information enhanced
NEWS 9 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 10 MAR 22 PATDPASPC - New patent database available
NEWS 11 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 12 APR 04 EPFULL enhanced with additional patent information and new
                 fields
NEWS 13 APR 04 EMBASE - Database reloaded and enhanced
NEWS 14 APR 18 New CAS Information Use Policies available online
NEWS 15 APR 25
                 Patent searching, including current-awareness alerts (SDIs),
                 based on application date in CA/CAplus and USPATFULL/USPAT2
                 may be affected by a change in filing date for U.S.
                 applications.
NEWS
      16 APR 28
                 Improved searching of U.S. Patent Classifications for
                 U.S. patent records in CA/CAplus
NEWS 17 MAY 23
                 GBFULL enhanced with patent drawing images
NEWS 18 MAY 23 REGISTRY has been enhanced with source information from
                 CHEMCATS
NEWS
     19 JUN 06 STN Patent Forums to be held in June 2005
NEWS 20 JUN 06 The Analysis Edition of STN Express with Discover!
                 (Version 8.0 for Windows) now available
NEWS 21 JUN 13 RUSSIAPAT: New full-text patent database on STN
      22 JUN 13 FRFULL enhanced with patent drawing images
NEWS
NEWS 23 JUN 20 MEDICONF to be removed from STN
NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT
              MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
              AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
NEWS HOURS
              STN Operating Hours Plus Help Desk Availability
NEWS INTER
              General Internet Information
              Welcome Banner and News Items
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              Direct Dial and Telecommunication Network Access to STN
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              CAS World Wide Web Site (general information)
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=> s 11 (5a) adrenal L3 31 L1 (5A) ADRENAL

=> s 12 (5a) adrenal L4 17 L2 (5A) ADRENAL

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L5 5 DUP REM L4 (12 DUPLICATES REMOVED)

=> d 1-5

L5 ANSWER 1 OF 5 MEDLINE on STN DUPLICATE 1

AN 86216224 MEDLINE DN PubMed ID: 3011099

TI Hydrolysis of cyclic nucleotides by a purified cGMP-stimulated phosphodiesterase: structural requirements for hydrolysis.

AU Braumann T; Erneux C; Petridis G; Stohrer W D; Jastorff B

SO Biochimica et biophysica acta, (1986 Jun 5) 871 (2) 199-206. Journal code: 0217513. ISSN: 0006-3002.

CY Netherlands

DT Journal; Article; (JOURNAL ARTICLE)

LA English

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Priority Journals
EΜ
     198607
ED
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     Last Updated on STN: 19970203
     Entered Medline: 19860709
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L5
     ANSWER 2 OF 5
                       MEDLINE on STN
     86060262
                  MEDLINE
AN
DN
     PubMed ID: 2999203
ΤI
     The binding of cyclic nucleotide analogs to a purified cyclic
     GMP-stimulated phosphodiesterase from bovine adrenal tissue.
AU.
     Erneux C; Miot F; Van Haastert P J; Jastorff B
     Journal of cyclic nucleotide and protein phosphorylation research, (1985)
SO
     10 (5) 463-72.
     Journal code: 8309334. ISSN: 0746-3898.
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
     English
FS
     Priority Journals
EM
     198601
ED
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L5
     ANSWER 3 OF 5
                       MEDLINE on STN
                                                        DUPLICATE 3
AN
     85203894
                 MEDLINE
     PubMed ID: 2581780
DN
     Specificity of cGMP binding to a purified ***cGMP*** -stimulated
TI
                                        ***bovine***
       ***phosphodiesterase*** from
                                                         ***adrenal*** tissue.
     Miot F; Van Haastert P J; Erneux C
ΑIJ
     European journal of biochemistry / FEBS, (1985 May 15) 149 (1) 59-65.
SO
     Journal code: 0107600. ISSN: 0014-2956.
CY
     GERMANY, WEST: Germany, Federal Republic of
DT
     Journal; Article; (JOURNAL ARTICLE)
     English
FS
     Priority Journals
EΜ
     198507
ED
     Entered STN: 19900320
     Last Updated on STN: 19900320
     Entered Medline: 19850717
L5
     ANSWER 4 OF 5 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
     STN
AN
     84:418187 SCISEARCH
GA
     The Genuine Article (R) Number: TC918
TI
     PURIFICATION AND
                        ***CGMP***
                                   BINDING OF A ***CGMP*** -STIMULATED
       ***PHOSPHODIESTERASE*** FROM
                                       ***BOVINE***
                                                         ***ADRENAL*** -TISSUE
     MIOT F (Reprint); VANHAASTER P J M; ERNEUX C
ΑU
CS
     FREE UNIV BRUSSELS, SCH MED, INST INTERDISCIPLINARY RES, B-1070 BRUSSELS,
     BELGIUM; UNIV LEIDEN, BIOL LAB, CELL BIOL & MORPHOGENESIS UNIT, 2311 GP
     LEIDEN, NETHERLANDS
CYA
    BELGIUM; NETHERLANDS
     ARCHIVES INTERNATIONALES DE PHYSIOLOGIE ET DE BIOCHIMIE, (1984) Vol. 92,
SO
     No. 1, pp. B44-B45.
DT
     Conference; Journal
FS
     LIFE
LД
     ENGLISH
REC
    Reference Count: 2
L5
     ANSWER 5 OF 5 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
AN
     82:129567 SCISEARCH
GΑ
     The Genuine Article (R) Number: NG282
                                                    ***CGMP*** -STIMULATED
TI
     PARTIAL-PURIFICATION AND CHARACTERIZATION OF
                ***PHOSPHODIESTERASE***
                                                   ***BOVINE***
     NUCLEOTIDE
                                            FROM
       ***ADRENAL*** -MEDULLA
     NEIDIG M (Reprint); COFFEE C
ΑU
CS
     UNIV PITTSBURGH, SCH MED, DEPT BIOCHEM, PITTSBURGH, PA, 15261
CYA
     FEDERATION PROCEEDINGS, (1982) Vol. 41, No. 3, pp. 760.
SO
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FS

DT

Conference; Journal

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FS
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     ENGLISH
REC No References
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L8
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AN
     92065414
DN
     PubMed ID: 1659635
ΤI
     Comparison of putative cGMP-binding regions in
                                                       ***bovine***
                    and cardiac ***cGMP*** -stimulated
       ***brain***
       ***phosphodiesterases***
     Tanaka T; Hockman S; Moos M Jr; Taira M; Meacci E; Murashima S;
ΑU
     Manganiello V C
CS
     Laboratory of Cellular Metabolism, NHLBI, NIH.
     Second messengers and phosphoproteins, (1991) 13 (2-3) 87-98.
SO
     Journal code: 9002049. ISSN: 0895-7479.
     United States
CY
     Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
     English
FS
     Priority Journals
     199201
EM
ED
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     ANSWER 2 OF 13
                        MEDLINE on STN
L8
AN
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     91354336
DN
     PubMed ID: 1652962
ΤI
                   ***bovine***
                                      ***brain***
                                                     calmodulin-dependent
     Inhibition of
       ***cGMP***
                      ***phosphodiesterase*** by peptide and non-peptide
     angiotensin receptor ligands.
ΑU
     Sharma R K; Smith J R; Moore G J
CS
     Department of Medical Biochemistry, University of Calgary, Alberta,
     Biochemical and biophysical research communications, (1991 Aug 30) 179 (1)
SO
     85-9.
     Journal code: 0372516. ISSN: 0006-291X.
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
     English
FS
     Priority Journals
EM
     199110
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     ANSWER 3 OF 13
                        MEDLINE on STN
AN
     90344764
                 MEDLINE
DN
     PubMed ID: 2166558
     Characterization of particulate cyclic nucleotide phosphodiesterases from
ΤI
              ***brain*** : purification of a distinct cGMP-stimulated
     isoenzyme.
ΑU
     Murashima S; Tanaka T; Hockman S; Manganiello V
     Laboratory of Cellular Metabolism, National Heart, Lung, and Blood
CS
     Institute, National Institutes of Health, Bethesda, Maryland 20892.
     Biochemistry, (1990 Jun 5) 29 (22) 5285-92.
SO
     Journal code: 0370623. ISSN: 0006-2960.
     United States
CY
     Journal; Article; (JOURNAL ARTICLE)
TC
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LA English FS Priority Journals EΜ 199009 ED Entered STN: 19901026 Last Updated on STN: 20000303 Entered Medline: 19900920 L8ANSWER 4 OF 13 MEDLINE on STN AN 90253439 MEDLINE DN PubMed ID: 2561449 \*\*\*bovine\*\*\* TI. A comparative kinetic study of calmodulin-dependent cyclic nucleotide \*\*\*phosphodiesterase\*\*\* isozymes utilizing cAMP, \*\*\*cGMP\*\*\* and their 2'-0-anthraniloyl-,2'-0-(N-methylanthraniloyl)derivatives as substrates. ΑU Grewal J; Karuppiah N; Mutus B CS Department of Chemistry and Biochemistry, University of Windsor, Ontario, SO Biochemistry international, (1989 Dec) 19 (6) 1287-95. Journal code: 8100311. ISSN: 0158-5231. CY Australia DT Journal; Article; (JOURNAL ARTICLE) LΑ English FS Priority Journals EM 199006 ED Entered STN: 19900720 Last Updated on STN: 19970203 Entered Medline: 19900618 ANSWER 5 OF 13 MEDLINE on STN L8AN 87092242 MEDLINE 4 DN PubMed ID: 3025833 ΤI Identification of a conserved domain among cyclic nucleotide phosphodiesterases from diverse species. ΑU Charbonneau H; Beier N; Walsh K A; Beavo J A AM-21723 (NIADDK) NC GM-15731 (NIGMS) SO Proceedings of the National Academy of Sciences of the United States of America, (1986 Dec) 83 (24) 9308-12. Journal code: 7505876. ISSN: 0027-8424. CY United States DTJournal; Article; (JOURNAL ARTICLE) LΑ English FS Priority Journals EM 198702 ED Entered STN: 19900302 Last Updated on STN: 19970203 Entered Medline: 19870206 ANSWER 6 OF 13 MEDLINE on STN L8 AN 81043926 MEDLINE DN PubMed ID: 6253285 Calcium-regulated phosphodiesterase in bovine parathyroid cells. TI ΑU Brown E M 1K04-AM-00627-01 (NIADDK) NC RO1-AM-25910-01 (NIADDK) Endocrinology, (1980 Dec) 107 (6) 1998-2003. SO Journal code: 0375040. ISSN: 0013-7227. CY United States DT Journal; Article; (JOURNAL ARTICLE) LΑ English FS Abridged Index Medicus Journals; Priority Journals 198101 EM Entered STN: 19900316 ED Last Updated on STN: 19970203 Entered Medline: 19810129 L8 ANSWER 7 OF 13 MEDLINE on STN ΑN 79194010 MEDLINE DN PubMed ID: 221455 Effects of spermine on activity and stability of calcium-dependent

guanosine 3',5'-monophosphate phosphodiesterase.

```
Kincaid R L; Manganiello V C; Vaughan M
ΑU
     Journal of biological chemistry, (1979 Jun 25) 254 (12) 4970-3.
SO
     Journal code: 2985121R. ISSN: 0021-9258.
.CY
     United States
     Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
     English
FS
     Priority Journals
ΕM
     197908
     Entered STN: 19900315
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     ANSWER 8 OF 13
                        MEDLINE on STN
AN
     78066887
                 MEDLINE
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     PubMed ID: 201632
TI
     Phosphodiesterase activator from rat kidney cortex.
ΑU
     Strewler G J; Manganiello V C; Vaughan M
SO
     Journal of biological chemistry, (1978 Jan 25) 253 (2) 390-4.
     Journal code: 2985121R. ISSN: 0021-9258.
CY
     United States
     Journal; Article; (JOURNAL ARTICLE).
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     197802
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ED
     Last Updated on STN: 19970203
     Entered Medline: 19780223
     ANSWER 9 OF 13 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation on
L8
     87:272994 SCISEARCH
AN
     The Genuine Article (R) Number: H1787
GA
                                      ***CGMP*** -STIMULATED
     SUBCELLULAR-LOCALIZATION OF THE
                        ***PHOSPHODIESTERASE*** (PDE) FROM
                                                                 ***BOVINE***
     CYCLIC-NUCLEOTIDE
       ***BRAIN***
ΑU
     MURASHIMA S (Reprint); MANGANIELLO V C
CS
     NHLBI, BETHESDA, MD, 20892
CYA
     FEDERATION PROCEEDINGS, (1987) Vol. 46, No. 6, pp. 2250.
SO
DT
     Conference; Journal
FS
     LIFE
LΑ
     ENGLISH
REC No References
     ANSWER 10 OF 13 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
L8
AN
     1985:332999 BIOSIS
DN
     PREV198580002991; BA80:2991
     CHARACTERIZATION OF A CALCIUM CALMODULIN-STIMULATED CYCLIC GMP
тτ
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     SHENOLIKAR S [Reprint author]; THOMPSON W J; STRADA S J
ΑU
     DEP PHARMACOLOGY, UNIV S ALA COLLEGE MED, MOBILE, AL 36688, USA
CS
SO
     Biochemistry, (1985) Vol. 24, No. 3, pp. 672-678.
     CODEN: BICHAW. ISSN: 0006-2960.
DT
     Article
FS
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LA
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     ANSWER 11 OF 13 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on
L8
     STN
AN
     1980:219063 BIOSIS
DN
     PREV198070011559; BA70:11559
     MODES OF ACTION OF HYPO XANTHINE INOSINE AND IMP ON CYCLIC NUCLEOTIDE
TI
     PHOSPHO DI ESTERASE FROM BOVINE ***BRAIN***
ΑU
     LIANG C-M [Reprint author]; LIU Y P; CHABNER B A
     CLIN PHARMACOL BRANCH, DIV CANCER TREAT, NATL CANCER INST, BETHESDA, MD
CS
SO
     Biochemical Pharmacology, (1980) Vol. 29, No. 3, pp. 277-282.
     CODEN: BCPCA6. ISSN: 0006-2952.
     Article
DT
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LΑ
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     ANSWER 12 OF 13 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
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     80069084 EMBASE
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     1980069084
     Cyclic 3',5'-adenosine monophosphate phosphodiesterase (cAMP PDE) and
TI
     cyclic 3',5'-guanosine monophosphate ***phosphodiesterase*** (
       ***CGMP***
                    PDE) in microvessels isolated from ***bovine***
ΑU
     Stefanovich V.
     Hoechst Akt. Gesellsch., Frankfurt am Main Werk Albert, 6200 Wiesbaden 12,
CS
    Neurochemical Research, (1979) Vol. 4, No. 6, pp. 681-687.
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     CODEN: NEREDZ
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     029
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    ANSWER 13 OF 13 HCAPLUS COPYRIGHT 2005 ACS on STN
    1985:484109 HCAPLUS
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DN
    Role of thiol groups in the activation of cyclic nucleotide
TI
    phosphodiesterase by calmodulin
    Galoyan, A. A.; Gurvits, B. Ya.; Sharova, N. P.
ΑU
     Inst. Biochem., Yerevan, USSR
CS
    Neirokhimiya (1985), 4(1), 56-60
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FULL ESTIMATED COST

# **WEST Search History**

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DATE: Friday, June 24, 2005

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	L6	L4 and brain	39
	L5	L4 and adrenal\$	22
	L4	L3 with (bovine or calf)	61
	L3	cgmp near5 phosphodiesterase	1397
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	L2	6642040.pn.	1
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	L1	20040126866	1

END OF SEARCH HISTORY

## **Hit List**

Clear Generate Collection Print Fwd Refs Bkwd Refs
Generate OACS

#### Search Results - Record(s) 1 through 10 of 22 returned.

1. Document ID: US 20040126866 A1

L5: Entry 1 of 22 File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040126866

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040126866 A1

TITLE: DNA encoding mammalian phosphodiesterases

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

COUNTRY RULE-47 NAME CITY STATE Beavo, Joseph A. Seattle WA US Bentley, J. Kelley Seattle WA US Charbonneau, Harry W. Lafayette IN US Sonnenburg, William K. Mountlake Terrace WA US

US-CL-CURRENT: 435/199; 435/320.1, 435/325, 435/6, 435/69.1, 536/23.2

Full Title	Citation Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KOMC :	Drawa De

2. Document ID: US 20030191152 A1

L5: Entry 2 of 22 File: PGPB Oct 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030191152

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030191152 A1

TITLE: Use of halogenated heterocyclic compounds in the treatment of sexual

dysfunction and cardiovascular disease

PUBLICATION-DATE: October 9, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Cutler, Neal R. Los Angeles CA US

US-CL-CURRENT: 514/312

Record List Display Page 2 of 4

# Full 🔍 Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw, Da

#### 3. Document ID: US 20030054992 A1

L5: Entry 3 of 22

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030054992

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030054992 A1

TITLE: Cyclic GMP-binding, cyclic GMP-specific phosphodiesterase materials and

methods

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

CITY	STATE	COUNTRY	RULE-47
Seattle	WΑ	US	
Nashville	TN	US	
Bothell	AW	US	
Nashville	TN	US	
Seattle	AW	US	
Seattle	AW	US	
Nashville	TN	US ´	
Mountlake Terrace	WA	US	
Boston	MA	US	
	Seattle Nashville Bothell Nashville Seattle Seattle Nashville Mountlake Terrace	Seattle WA Nashville TN Bothell WA Nashville TN Seattle WA Seattle WA Nashville TN Mountlake Terrace WA	Seattle WA US Nashville TN US Bothell WA US Nashville TN US Seattle WA US Seattle WA US Nashville TN US Mountlake Terrace WA US

US-CL-CURRENT: 514/12; 435/198, 435/320.1, 435/325, 435/69.1, 536/23.2

Full Title	Citation Front	Review Classification	Date	Reference	Sequences	Attachments Claims	KWMC: Drawn De
2.9							

#### 4. Document ID: US 20020151024 A1

L5: Entry 4 of 22

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020151024

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020151024 A1

TITLE: DNA encoding mammalian phosphodiesterases

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Beavo, Joseph A.	Seattle	WA	US	
Bentley, J. Kelley	Seattle	WA	US	
Charbonneau, Harry	West Lafayette	IN	US	
Sonnenburg, William K.	Mountlake Terrace	WA	US	

Record List Display Page 3 of 4

US-CL-CURRENT: 435/196; 435/320.1, 435/325, 435/69.1, 536/23.2

Full. Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw. De

5. Document ID: US 6642040 B2

L5: Entry 5 of 22

File: USPT

Nov 4, 2003

US-PAT-NO: 6642040

DOCUMENT-IDENTIFIER: US 6642040 B2

TITLE: Human cGMP-stimulated cyclic nucleotide phosphodiesterase

Full Title Citation Front Review Classification Date Reference

6. Document ID: US 6100037 A

L5: Entry 6 of 22

File: USPT

Aug 8, 2000

US-PAT-NO: 6100037

DOCUMENT-IDENTIFIER: US 6100037 A

\*\* See image for Certificate of Correction \*\*

TITLE: Human cyclic nucleotide PDEs

Full: ETitle Citation EFront Review: Classification Date Reference Claims KWC. Draw. De

7. Document ID: US 6100025 A

L5: Entry 7 of 22

File: USPT

Aug 8, 2000

US-PAT-NO: 6100025

DOCUMENT-IDENTIFIER: US 6100025 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Cloning by complementation and related processes

8. Document ID: US 6069240 A

L5: Entry 8 of 22

File: USPT

May 30, 2000

US-PAT-NO: 6069240

DOCUMENT-IDENTIFIER: US 6069240 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Cloning by complementation and related processes

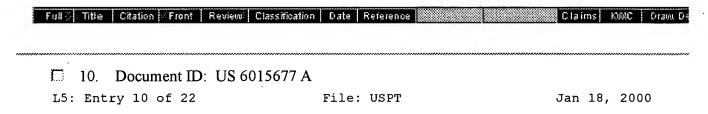
Full :	Title   Citation	Front	Review	Classification	Date	Reference		Claims	Ko	:C	Draw. De
	9. Docume	ent ID:	US 60:	37119 A		***************************************		***************************************	•••••		***************************************
L5:	Entry 9 o	f 22		F	File:	USPT	M	Mar 14	, 2	2000	)
US-PAT-N	o: 6037119	€ .									

DOCUMENT-IDENTIFIER: US 6037119 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Cyclic GMP-binding, cyclic GMP-specific phosphodiesterase materials and

methods



US-PAT-NO: 6015677

DOCUMENT-IDENTIFIER: US 6015677 A

\*\* See image for Certificate of Correction \*\*

TITLE: Assay methods using DNA encoding mammalian phosphodiesterases

Full	itle Citation	Front	Review	Classification	Date	Reference				Claims	KMC	Draw, De
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## **Hit List**

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Generate OACS

Search Results - Record(s) 11 through 20 of 22 returned.

11. Document ID: US 5977305 A

L5: Entry 11 of 22

File: USPT

Nov 2, 1999

US-PAT-NO: 5977305

DOCUMENT-IDENTIFIER: US 5977305 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Cloning by complementation and related processes

Full: Title | Chation | Front | Review | Classification | Date | Reference | Claims | KMC | Draw De |

12. Document ID: US 5955583 A

L5: Entry 12 of 22 | File: USPT | Sep 21, 1999

US-PAT-NO: 5955583

DOCUMENT-IDENTIFIER: US 5955583 A

TITLE: Antibodies to cGMP-binding, cGMP-specific phospodiesterase

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWC | Draw D

US-PAT-NO: 5800987

DOCUMENT-IDENTIFIER: US 5800987 A

\*\* See image for Certificate of Correction \*\*

TITLE: Assay methods using DNA encoding mammalian phosphodiesterases

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Do

1. 14. Document ID: US 5789553 A

L5: Entry 14 of 22 File: USPT Aug 4, 1998

US-PAT-NO: 5789553

DOCUMENT-IDENTIFIER: US 5789553 A

Record List Display Page 2 of 3

TITLE: Antibodies specifically immunoreactive with human brain Ca.sup.2+ /calmodulin cyclic nucleotide phosphodiesterase

Full Title Citation Front Review Classification Date Reference Claims KWC Drawa De

File: USPT

US-PAT-NO: 5776752

DOCUMENT-IDENTIFIER: US 5776752 A

L5: Entry 15 of 22

TITLE: Isolated and purified calcium/calmodulin stimulated cyclic nucleotide

phosphodiesterases

Full Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWC | Draw Do

US-PAT-NO: 5702936

DOCUMENT-IDENTIFIER: US 5702936 A

\*\* See image for <u>Certificate of Correction</u> \*\*

 ${\tt TITLE:}$  Cyclic GMP-binding, cyclic GMP-specific phosphodiesterase materials and methods

Full | Title | Citation | Front | Review | Classification | Date | Reference | Classification | Elaims | KWC | Drawt De |

17. Document ID: US 5652131 A

File: USPT

US-PAT-NO: 5652131

DOCUMENT-IDENTIFIER: US 5652131 A

L5: Entry 17 of 22

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Cyclic GMP-binding, cyclic GMP-specific phosphodiesterase materials and methods

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Do

18. Document ID: US 5602019 A

L5: Entry 18 of 22 File: USPT Feb 11, 1997

US-PAT-NO: 5602019

DOCUMENT-IDENTIFIER: US 5602019 A

\*\* See image for Certificate of Correction \*\*

Jul 7, 1998

Jul 29, 1997

Record List Display Page 3 of 3

TITLE: DNA encoding mammalian phosphodiesterases

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KWIC	Draw, De
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	19.	Docum	ent ID	: US 5	580771 A						

File: USPT

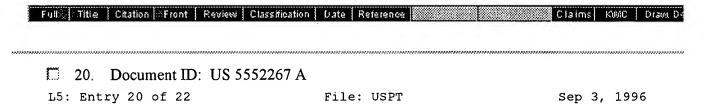
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DOCUMENT-IDENTIFIER: US 5580771 A

L5: Entry 19 of 22

\*\* See image for <u>Certificate of Correction</u> \*\*

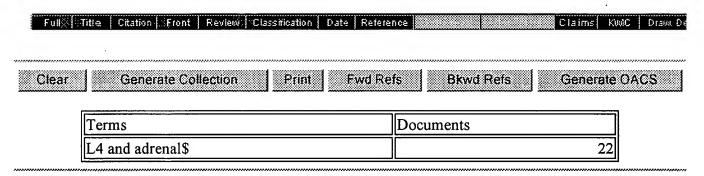
TITLE: DNA encoding mammalian phosphodiesterases



US-PAT-NO: 5552267

DOCUMENT-IDENTIFIER: US 5552267 A

TITLE: Solution for prolonged organ preservation

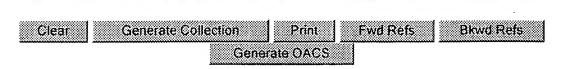


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Dec 3, 1996

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Search Results - Record(s) 21 through 22 of 22 returned.

21. Document ID: US 5527896 A

L5: Entry 21 of 22

File: USPT

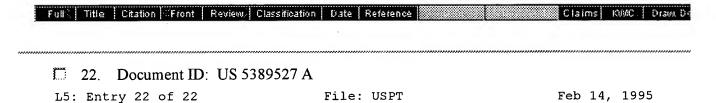
Jun 18, 1996

US-PAT-NO: 5527896

DOCUMENT-IDENTIFIER: US 5527896 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Cloning by complementation and related processes

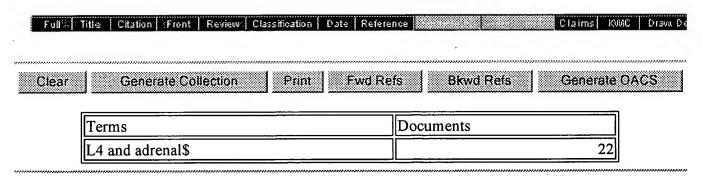


US-PAT-NO: 5389527

DOCUMENT-IDENTIFIER: US 5389527 A

\*\* See image for Certificate of Correction \*\*

TITLE: DNA encoding mammalian phosphodiesterases



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Record List Display Page 1 of 4

## **Hit List**

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Search Results - Record(s) 1 through 10 of 17 returned.

1. Document ID: US 20050032833 A1

L7: Entry 1 of 17 File: PGPB Feb 10, 2005

PGPUB-DOCUMENT-NUMBER: 20050032833

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050032833 A1

TITLE: Fluorinated heterocyclic compounds and methods of synthesis

PUBLICATION-DATE: February 10, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Kwiatkowski, Stefan Lexington KY US Golinski, Miroslaw Lexington KY US

US-CL-CURRENT: 514/312; 546/155

Full® Title	Citation Eront	Review: Classification	Date	Reference	Sequences	Attachments	Claims	KOMIC "	Draw, Dr
	1 - 1 - 1		`						

2. Document ID: US 20040258687 A1

L7: Entry 2 of 17 File: PGPB Dec 23, 2004

PGPUB-DOCUMENT-NUMBER: 20040258687

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040258687 A1

TITLE: Use of GCC ligands

PUBLICATION-DATE: December 23, 2004

INVENTOR-INFORMATION:

CITY STATE COUNTRY RULE-47 NAME Waldman, Scott A. Ardmore PA US Pitari, Glovanni Mario Philadelphia PA US Philadelphia PA US Park, Jason Schulz, Stephanie West Chester PA US Wolfe, Henry Glenmoore PΑ US Lubbe, Wilhelm Philadelphia PΑ US

Record List Display Page 2 of 4

US-CL-CURRENT: 424/143.1

Fulls Title Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Draw. De

3. Document ID: US 20030166679 A1

L7: Entry 3 of 17

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030166679

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030166679 A1

TITLE: Fluorinated heterocyclic compounds and methods of synthesis

PUBLICATION-DATE: September 4, 2003

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47

Kwiatkowski, Stefan Lexington KY US
Golinski, Miroslaw Lexington KY US

US-CL-CURRENT: 514/312; 546/155

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWC | Draw De

4. Document ID: US 6864070 B2

L7: Entry 4 of 17

File: USPT

Mar 8, 2005

US-PAT-NO: 6864070

DOCUMENT-IDENTIFIER: US 6864070 B2

TITLE: Phosphodiesterase 10

Full Title Citation Front Review Classification Date Reference Claims NWC Draw De State St

US-PAT-NO: 6852747

DOCUMENT-IDENTIFIER: US 6852747 B2

TITLE: Resorcinol derivatives

6. Document ID: US 6767914 B2

Record List Display Page 3 of 4

L7: Entry 6 of 17 File: USPT

Jul 27, 2004

US-PAT-NO: 6767914

DOCUMENT-IDENTIFIER: US 6767914 B2

TITLE: Fluorinated heterocyclic compounds and methods of synthesis

7. Document ID: US 6734003 B2

L7: Entry 7 of 17

File: USPT

May 11, 2004

Feb 26, 2002

US-PAT-NO: 6734003.

DOCUMENT-IDENTIFIER: US 6734003 B2

TITLE: Phosphodiesterase 10

Full : Title | Citation | Front | Review | Classification | Date | Reference Claims KMC Draw. D4 8. Document ID: US 6566087 B1 L7: Entry 8 of 17 File: USPT May 20, 2003

US-PAT-NO: 6566087

DOCUMENT-IDENTIFIER: US 6566087 B1

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Phosphodiesterase 8A

Full Title Citation Front Review Classification Date Reference Communication Claims KMC Draw De 9. Document ID: US 6416991 B1 L7: Entry 9 of 17 File: USPT Jul 9, 2002

US-PAT-NO: 6416991

DOCUMENT-IDENTIFIER: US 6416991 B1

TITLE: Human cyclic nucleotide PDES

Full ( Title | Citation | Front | Review: | Classification | Date | Reference | Claims | Claims | KMC | Draw, De 10. Document ID: US 6350603 B1

File: USPT

US-PAT-NO: 6350603

DOCUMENT-IDENTIFIER: US 6350603 B1

L7: Entry 10 of 17

#### \*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Phosphodiesterase 10

Full T	itle Citation		Review	Classification	Date	Reference				Claims	KWIC	Draw D
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	Terms				Dc	cuments		•				
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Generate OACS

Search Results - Record(s) 11 through 17 of 17 returned.

11. Document ID: US 6291199 B1

L7: Entry 11 of 17

File: USPT

Sep 18, 2001

US-PAT-NO: 6291199

DOCUMENT-IDENTIFIER: US 6291199 B1

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Human phosphodiesterase type IVC, and its production and use

12. Document ID: US 6204251 B1

L7: Entry 12 of 17

· File: USPT

Mar 20, 2001

US-PAT-NO: 6204251

DOCUMENT-IDENTIFIER: US 6204251 B1

TITLE: Ocular gene therapy

13. Document ID: US 6133007 A

L7: Entry 13 of 17

File: USPT

Oct 17, 2000

US-PAT-NO: 6133007

DOCUMENT-IDENTIFIER: US 6133007 A

\*\* See image for Certificate of Correction \*\*

TITLE: Phosphodiesterase 8A

Full Title Citation Front Review Classification Date Reference Citation Claims RMC Draw Do

14. Document ID: US 5932465 A

L7: Entry 14 of 17

File: USPT

Aug 3, 1999

US-PAT-NO: 5932465

DOCUMENT-IDENTIFIER: US 5932465 A

\*\* See image for <u>Certificate of Correction</u> \*\*

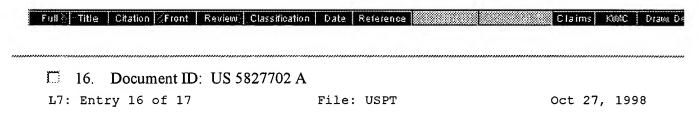
TITLE: Phosphodiesterase 8A

Full	Title	Citation	Front	Review	Classification	Date	Reference	Clai	ms i	OWIC	Draw, De
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****	15	Dagum	ant ID	. TIC 5	051701 A						
	15.	Docum	ent ID	: US 5	851784 A						

US-PAT-NO: 5851784

DOCUMENT-IDENTIFIER: US 5851784 A

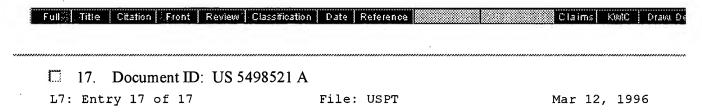
TITLE: Human phosphodiesterase type IVC, and its production and use



US-PAT-NO: 5827702

DOCUMENT-IDENTIFIER: US 5827702 A

TITLE: Ocular gene therapy

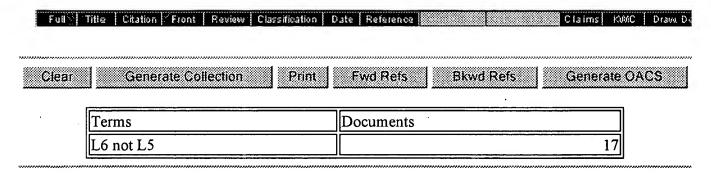


US-PAT-NO: 5498521

DOCUMENT-IDENTIFIER: US 5498521 A

\*\* See image for <u>Certificate of Correction</u> \*\*

TITLE: Diagnosis of hereditary retinal degenerative diseases



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